

# Electronic Filing System (EFS) Data

## Electronic Patent Application Submission

### USPTO Use Only

EFS ID: 15552  
Application ID: 10064000  
Title of Invention: APPARATUS HAVING FORCED  
FLUID COOLING AND PIN-FIN  
HEAT SINK  
First Named Inventor: VINOD KAMATH  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-06-03   
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: RPS920020045  
Digital Certificate Holder: cn=Martin J. McKinley, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: uznygBvpnRMR1ltBrNeSIQ==  
Total Fees Authorized: \$864.0

Payment Category: DA – Deposit Account  
Deposit Account Number: 91990  
Deposit Account Name: Martin J McKinley

# TRANSMITTAL FORM

1C474 U.S. PRO  
10/064000  
06/03/02

Electronic Version 1.0.3

Stylesheet Version: 1.0

Attorney Docket  
Number:

RPS920020045

Submission Type: Utility  
Patent Filing

## APPARATUS HAVING FORCED FLUID COOLING AND PIN-FIN HEAT SINK

First Named Inventor: VINOD KAMATH

### SUBMITTED BY

Name: Martin J McKinley  
Registration Number: 31782  
Electronic Signature Mark: Martin J  
McKinley /mjm/ Date Signed: 20020603

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

declaration	RPS920020045DECPG1.tif
declaration	RPS920020045DECPG2.tif
declaration	RPS920020045DECPG3.tif
patent-assignments	RPS920020045US1asgn.xml

us-information-disclosure-statement	RPS920020045US1ids.xml
fee-transmittal	RPS920020045US1fee.xml
specification	RPS920020045SPECIFICATION.xml
bibd-transmittal	RPS920020045US1apds.xml

**Attached Image File(s):**

RPS920020045DECPG1.tif  
RPS920020045DECPG2.tif  
RPS920020045DECPG3.tif

**Comments:**

Please input the attorney docket number as RPS920020045US1

**DECLARATION AND POWER OF ATTORNEY FOR  
PATENT APPLICATION**

As a below named inventor, I hereby declare that:

**My residence, post office address and citizenship are as stated below next to my name;**

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

## APPARATUS HAVING FORCED FLUID COOLING AND TUBULAR PIN-FIN HEAT SINK

the specification of which is identified by the attorney (IBM) docket number below:

XXX under Attorney's Docket Number RPS920020045US1  
as Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 CFR 1.56.

I hereby claim the benefit of foreign priority under 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application the priority of which is claimed:

Prior Foreign Application(s): Priority Claimed  
\_\_\_\_ Yes \_\_\_\_ No

(Number)	(Country)	(Filing Date)
----------	-----------	---------------

I hereby claim the benefit of United States priority under 35 USC 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States application in the manner provided by the first paragraph of 35 USC 112, I acknowledge the duty to disclose information material to the patentability of this application as defined in 37 CFR 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

**(Application Serial #)** **(Filing Date)** **(Status)**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

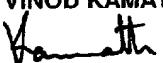
**POWER OF ATTORNEY:** As a named inventor, I hereby appoint all attorneys and/or agents associated with **CUSTOMER NO.: 25299**; and the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Carlos Munoz-Bustamante	Reg. No. P-51,349
Joscelyn G. Cockburn	Reg. No. 27,069
John D. Flynn	Reg. No. 35,137
George E. Grosser	Reg. No. 25,629
Daniel E. McConnell	Reg. No. 20,360
Martin J. McKinley	Reg. No. 31,782
Scott W. Reid	Reg. No. 42,098
J. Bruce Schelkopf	Reg. No. 43,901

Send correspondence to Martin J McKinley, at **CUSTOMER NO.: 25299** (IBM Corporation; Dept. 9CCA/002; P. O. Box 12195; Research Triangle Park, NC 27709-2195) and direct all telephone calls to Martin J McKinley at (919) 254-2578.

---

**FULL NAME OF FIRST INVENTOR: VINOD KAMATH**

**INVENTOR'S SIGNATURE:** 

**DATE:** 6/3/20

**RESIDENCE:** 11401 Blackbrook Court; Raleigh, North Carolina, 27614

**CITIZENSHIP:** India

**POST OFFICE ADDRESS:** same as residence

---

**FULL NAME OF SECOND INVENTOR: BETH FRAYNE LOEBACH**

**INVENTOR'S SIGNATURE:** 

**DATE:** 6/3/20

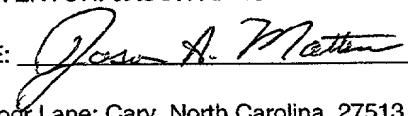
**RESIDENCE:** 8704 Deerland Grove Drive; Raleigh, North Carolina, 27615

**CITIZENSHIP:** USA

**POST OFFICE ADDRESS:** same as residence

---

FULL NAME OF THIRD INVENTOR: JASON AARON MATTESON

INVENTOR'S SIGNATURE: 

DATE: 6/3/04

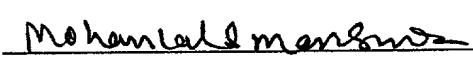
RESIDENCE: 928 Heathmoor Lane; Cary, North Carolina, 27513

CITIZENSHIP: USA

POST OFFICE ADDRESS: same as residence

---

FULL NAME OF FOURTH INVENTOR: MOHANLAL S. MANSURIA

INVENTOR'S SIGNATURE: 

DATE: 6/3/04

RESIDENCE: 107 Wentbridge Road; Apex, North Carolina, 27502

CITIZENSHIP: USA

POST OFFICE ADDRESS: same as residence

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 864**

**The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:**

Deposit Account Number: 09-1990



Deposit Account Name: IBM Corporation

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

## SUBMITTED BY

Authorized Name: Martin J McKinley

Electronic Signature Mark: Martin J McKinley /mjm/

Date Signed: 20020603

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 18	103	\$ 18	0	\$ 0
Independent Claims: 4	102	\$ 84	1	\$ 84

Subtotal For Extra Claims Fees: \$ 84

**ADDITIONAL FEES**

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40